

## Contents

### *Marine Geology Volume 86, 1989*

#### *Research Papers*

The Early Cretaceous Platform off northwest Florida: Controls on morphologic development of carbonate margins W. Corso (Woods Hole, Mass., U.S.A.) and J.A. Austin and R.T. Buffler (Austin, Tex., U.S.A.) .....	1
Sources and dispersal of late Quaternary silt on the northern Gulf of Mexico continental shelf J. Mazzullo and M. Peterson (College Station, Tex., U.S.A.) .....	15
The behaviour of subaerially produced pyroclastic flows in a subaqueous environment: Evidence from the Roseau eruption, Dominica, West Indies A.G. Whitham (Cambridge, U.K.) .....	27
Structural stability of marine 10 Å manganates from the Ogasawara (Bonin) Arc: Implication for low-temperature hydrothermal activity A. Usui (Ibaraki, Japan), T.A. Mellin (Stockholm, Sweden) and M. Nohara and M. Yuasa (Ibaraki, Japan) .....	41
Early diagenetic processes affecting nutrients in the pore waters of Central Indian Ocean cores B.N. Nath and A.V. Mudholkar (Goa, India) .....	57

#### *Letter Section*

Coccolith sedimentation and transport in the Irish Sea S.D. Houghton .....	67
Burrowing: a major process in the Mn-Ni enrichment of red clays E. Lallier-Vergès and P. Albéric (Orleans, France) .....	75

<i>Current Titles in Marine Geology</i> .....	81
---	----

<i>Errata</i> .....	99
---------------------	----

#### *Guide for Authors*

#### *Research Papers*

Analysis of barrier island surface sediments by scanning electron microscopy A.T. Williams and M.C. Thomas (Pontypridd, Wales, U.K.) .....	101
Modern sedimentary environments in a large tidal estuary, Delaware Bay H.J. Knebel (Woods Hole, Mass., U.S.A.) .....	119
Sand transport patterns in the ebb-tidal delta off Texel Inlet, Wadden Sea, The Netherlands L.P. Sha (Utrecht, The Netherlands) .....	137
Sedimentological effects of strong southward flow in the Straits of Florida W.D. Gardner and M.J. Richardson (College Station, Tex., U.S.A.) and D.A. Cacchione (Menlo Park, Calif., U.S.A.) ..	155
Factors controlling critical shears for deposition and erosion of individual grains R.F.L. Self (Friday Harbor, Wash., U.S.A.) and A.R.M. Nowell and P.A. Jumars (Seattle, Wash., U.S.A.) .....	181
Acoustic, magnetic and seismic investigation of the sea floor off the uraniferous district of Piriac, France Y. Cottaz and V. Barthes (Grenoble, France), S. Berne (Brest, France), P. Crochon (Montagne-sur-Sevre, France), G. Lericolais (Brest, France) and F. Robach (Grenoble, France) .....	201

#### *Letter Section*

Volcanic ash layers in the North Atlantic (DSDP Site 552A): a stratigraphic tool? L. Diester-Haass .....	221
The occurrence and formation of ladderback ripples in subtidal, shallow-marine sands, Zululand, South Africa P.J. Ramsay (Durban and Congella, South Africa), J.A.G. Cooper (Congella, South Africa) and C.I. Wright and T.R. Mason (Durban, South Africa) .....	229
Variability of Mn, Fe, Ni, Cu and Co in manganese nodules from the Central Indian Ocean Basin P. Jauhari (Goa, India) .....	237

Laboratory apparatus for calibrating optical suspended solids sensors J.P. Downing (Sequim, Wash., U.S.A.) and R.A. Beach (Seattle, Wash., U.S.A.) .....	243
---	-----

#### *Book Review*

<i>Sea-level Fluctuation and Coastal Evolution</i> by D. Nummedal, O.H. Pilkey and J.D. Howard (Editors) — K. Clayton .....	251
---	-----

<i>Current Titles in Marine Geology</i> .....	253
---	-----

#### *Research Papers*

Subglacial meltwater discharge in the open-marine tidewater glacier environment: Observations from Nordaustlandet, Svalbard Archipelago S.L. Pfirman (Kiel, F.R.G.) and A. Solheim (Oslo, Norway) .....	265
Sedimentary facies of glacial-interglacial cycles in the Norwegian Sea during the last 350 ka R. Henrich, H. Kassens, E. Vogelsang and J. Thiede (Kiel, F.R.G.) .....	283
Nearshore water motion and mean flows in a multiple parallel bar system R.G.D. Davidson-Arnott and R.A. McDonald (Guelph, Ont., Canada) .....	321
Verdinized fecal peloids as indicators of prodelta and delta-front deposits in the Nile delta, Egypt A. Pimmel and D.J. Stanley (Washington, D.C., U.S.A.) .....	339

#### *Letter Section*

Submergence of coastal Connecticut 6000–3000 ( $^{14}\text{C}$ ) years B.P. O. van de Plassche (Amsterdam, The Netherlands), W.G. Mook (Groningen, The Netherlands) and A.L. Bloom (Ithaca, N.Y., U.S.A.) .....	349
<i>Year-End Index 1988, Volumes 80–85</i> .....	355
<i>Contents Volume 86</i> .....	375

